

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : SONY CORP

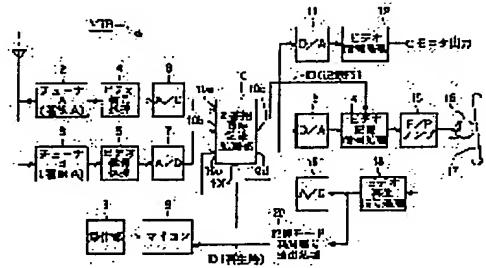
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KOBAYASHI HIROSHI

(54) SIMULTANEOUS RECORDING AND REPRODUCING DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To improve the operability by automatically switching a mode between a conventional recording mode and a simultaneous recording mode for a plurality of programs and selecting any of modes at reproduction.

SOLUTION: A microcomputer section 9 grasps the number of simultaneous recording programs from a content of timer video recording reservation. Upon the receipt of a simultaneous recording command from the microcomputer section 9, a 2-program simultaneous recording processing section 10 generates an image obtained by composing reduced images of programs A, B. The composite image is recorded on a video tape 17. The microcomputer section 9 generates a recording mode discrimination signal ID including a recording mode and a video recording program. The recording mode discrimination signal ID is inserted for a vertical blanking period of a synchronizing signal via a video recording signal processing section 14 and recorded on the video tape 17. IN the case of reproduction, the microcomputer section 9 selects the conventional reproduction or magnification reproduction of the reduced image based on the recording mode discrimination signal ID outputted from a recording mode discrimination signal extract processing section 20.



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Japanese Unexamined Patent Publication
No. 307846/1997 (Tokukaihei 9-307846)

A. Relevance of the Above-identified Document

The following is a partial English translation of exemplary portions of non-English language information that may be relevant to the issue of patentability of the claims of the present application.

B. Translation of the Relevant Passages of the Document

See also the attached English Abstract.

[CLAIMS]

1. A simultaneous recording/reproducing apparatus which is capable of simultaneously recording a plurality of broadcasting programs, and of individually reproducing the broadcasting programs,

 said simultaneous recording/reproducing apparatus, comprising:

 a recording mode automatic switching section for recognizing, in accordance with a timer-recording schedule and a recording request, the number of broadcasting programs to be recorded at a time, and for automatically switching to a plural-broadcasting-program simultaneous recording mode when the recording mode automatic switching section judges that a plurality of broadcasting programs are to be recorded.

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[Problems to be solved by the invention]

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[0008]

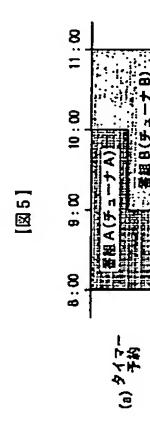
Further, upon the reproduction, such conventional simultaneous recording/reproducing apparatuses require designation of the recording mode in which the recording of the broadcasting program was carried out. This requires a bothersome confirmation of the reproducing mode and a bothersome setting of the reproducing mode.

[0009]

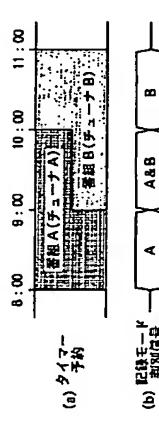
This invention is made to solve the problems, and its object is to provide a simultaneous recording/reproducing apparatus whose operability is improved by automatically switching the recording modes without requiring the user to switch the recording modes between the normal recording mode and the simultaneous recording mode.

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[図5]

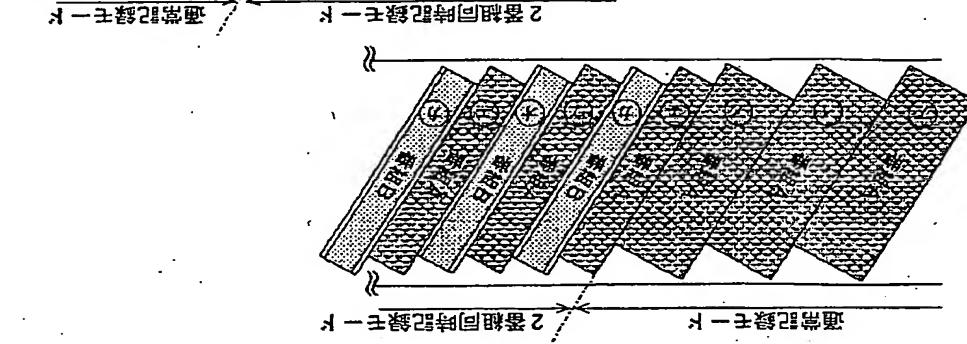


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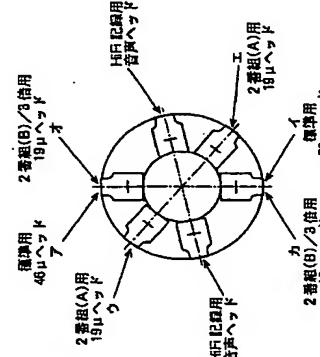


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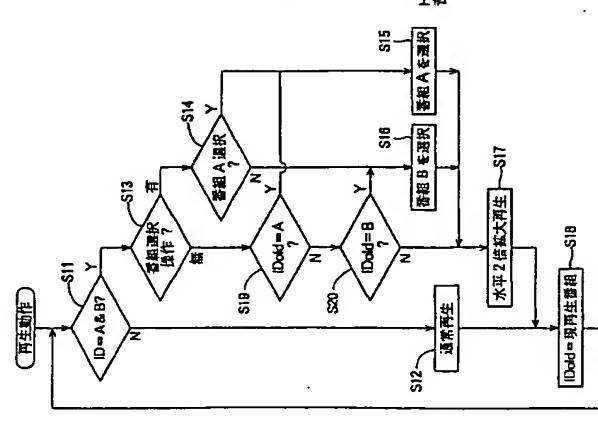
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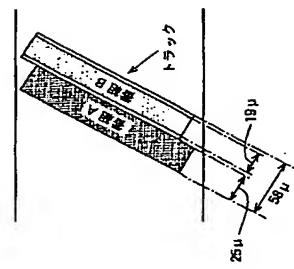
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[図9]



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